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FORM PTO 948 (REV 01-97)

U.S. DEPARTMENT OF COMMERCE-Patent and Trademark Office

Application No. 8183424

## NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW

The drawing filed (insert date) 4/15/97 are

A.  not objected to by the Draftperson under 37 CFR 1.84 or 1.152.  
B.  objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings where necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color. <input type="checkbox"/> Color drawing are not acceptable until petition is granted. <input type="checkbox"/> Pencil and non black ink is not permitted. Fig(s) _____	7. SECTIONAL VIEWS. 37 CFR 1.84(l)(3) <input type="checkbox"/> Hatching not indicated for sectional portions of an object <input type="checkbox"/> Fig(s) _____ <input type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84(h) <input type="checkbox"/> Photographs are not acceptable until petition is granted. <input type="checkbox"/> 3 full-tone sets are required. Fig(s) _____ <input type="checkbox"/> Photographs not properly mounted (must bristol board or photographic double-weight paper). Fig(s) _____ <input type="checkbox"/> Poor quality (half-tone). Fig(s) _____	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i) <input type="checkbox"/> Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs. Fig(s) _____ <input type="checkbox"/> Views not on the same plane on drawing sheet. Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(c) <input type="checkbox"/> Paper not flexible, strong, white and durable. <input type="checkbox"/> Fig(s) _____ <input type="checkbox"/> Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable (too thin) <input type="checkbox"/> Mylar, vellum paper is not acceptable (too thin) <input type="checkbox"/> Fig(s) _____	9. SCALE. 37 CFR 1.84(k) <input type="checkbox"/> Scale not large enough to show mechanism with crowding when drawing is reduced in size to two-thirds in reproduction. <input type="checkbox"/> Fig(s) 6A, 6B
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: <input type="checkbox"/> 21.0 cm by 29.7 cm (DIN size A4) <input type="checkbox"/> 21.6 cm by 27.9 cm (8 1/2 x 11 inches) <input type="checkbox"/> All drawings sheets not the same size. Sheet(s) _____	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l) <input type="checkbox"/> Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (print type quality) <input type="checkbox"/> Fig(s) 24, 64, 6B
5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 <input type="checkbox"/> Margins not acceptable. Fig(s) 6A, 6B, 9, 10, 12, 15 <input type="checkbox"/> Top (T) Left (L) <input type="checkbox"/> Right (R) Bottom (B) 15	11. SHADING. 37 CFR 1.84(m) <input type="checkbox"/> Solid black areas pale. Fig(s) _____ <input type="checkbox"/> Solid black shading not permitted. Fig(s) _____ <input type="checkbox"/> Shade lines, pale, rough and blurred. Fig(s) _____
6. VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes <input type="checkbox"/> Views connected by projection lines or lead lines Fig(s) _____	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p) <input type="checkbox"/> Numbers and reference characters not plain and legible Fig(s) 1, 2, 3, 4 <input type="checkbox"/> Figure legends are poor. Fig(s) _____ <input type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig(s) _____ <input type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(3) Fig(s) _____ <input type="checkbox"/> Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) 8
Partial views. 37 CFR 1.84(h)(2) <input type="checkbox"/> Brackets needed to show figure as one entity Fig(s) _____ <input type="checkbox"/> Views not labeled separately or properly. Fig(s) _____ <input type="checkbox"/> Enlarged view not labeled separately or properly. Fig(s) _____	13. LEAD LINES. 37 CFR 1.84(q) <input type="checkbox"/> Lead lines cross each other. Fig(s) _____ <input type="checkbox"/> Lead lines missing. Fig(s) _____
COMMENTS - Box around Fig 3 (Fig 6A, 6B) - Fig 1, 2, 3, 4 (Fig 6A, 6B, 9, 10, 12, 15) - Fig 7, 8, 13-17 (Fig 7, 8, 13-17) do not have reference title block	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(o) <input type="checkbox"/> Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____ 15. NUMBERING OF VIEWS. 37 CFR 1.84(u) <input type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____ 16. CORRECTIONS. 37 CFR 1.84(w) <input type="checkbox"/> Corrections not made from PTO-948 dated _____ 17. DESIGN DRAWINGS. 37 CFR 1.152 <input type="checkbox"/> Surface shading shown not appropriate. Fig(s) _____ <input type="checkbox"/> Solid black shading not used for color contrast Fig(s) _____

REVIEWER \_\_\_\_\_ DATE 8/26/97 TELEPHONE NO. 9232053116  
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